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AUG 31 2005

**510(k) SUMMARY FOR ABS COMPOSITE**  
**TriABSSorb™ Composite SCREW**

Company: ADVANCED BIOMATERIALS 510k #: K050468  
Adresse: 265 Route de La Baronne, St. Jeannet 06640 France  
Phone: +33-4-92-12-04-74  
Fax: +33-4-92-12-48-70  
Contact: Mr Patrick Janin

Date of submission: February 18<sup>th</sup> 2005

Name of device:

TriABSSorb™ Composite Screw

Common or usual name:

Composite Interference Screw

Classification:

Smooth or threaded bone fixation fastener: 888.3040

Predicate device:

K013572 MITEK BIOCRYL INTERFERENCE SCREWS (MITEK)  
K032894 OSTEOTAC SCREW MODEL (LINVATEC)  
K002070 BIOLOK SCREW (BIOCOMPOSITES)  
K003641 BIOLOK SCREW, BIOSTEON SCREW (BIOCOMPOSITES)

Device description:

The TriABSSorb™ composite screw is bio-absorbable sterile single use tapered and has a smooth threaded bone screw, which provides interference fixation of soft tissue grafts and bone-tendon-bone patellar grafts during Anterior Cruciate Ligament repair through arthroscopy or arthrotomy.

Intended use:

The device is cannulated, tapered with a smooth threaded design, which provides interference fixation of soft-tissue grafts and bone-tendon-bone patellar grafts during anterior cruciate ligament repair and reconstruction through arthroscopy or arthrotomy procedures.

The ABS TriABSSorb™ composite screw and predicate device have overall same intended use and design despite some minor modifications which do not affect the use, safety and effectiveness of the device.

The implants are made of similar biopolymer: PLLA (poly L-lactide acid), Tri-Calcium phosphate (TCP), Hydroxyapatite (HA).

The screw comes in multiple lengths (20mm to 45mm), multiple diameters (6mm to 12mm) in each length and left and right thread design, resulting in a set of screws adapted to the morphology of the graft and the patient.

Substantial equivalence:

The polymers for the ABS TriABSorb™ composite screw has similar characteristics than the polymers use for the predicate devices.

The TriABSorb™ composite screw and the predicate devices have the same overall design. In addition, the small differences in design do not affect the use, safety and effectiveness, between the device and the predicate devices.

The principal difference is the mixture of the polymers and the insertion technique between the ABS screw and the predicate devices (the screwdriver driver hole).

The ABS TriABSorb™ composite screw is equivalent in material, design and intended use as the predicate device.

Based on these similarities and equivalences our TriABSorb™ composite screw and the predicate devices are substantially equivalent for the interference fixation of soft tissue and Bone Tendon Bone graft in the ACL reconstruction through arthroscopy or arthrotomy.

Indications for use:

To provide interference fixation of soft tissue graft and bone-tendon-bone patellar graft during the Anterior Cruciate Ligament repair through arthroscopy or arthrotomy.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

AUG 31 2005

Mr. Patrick Janin  
ADVANCED BIOMATERIALS  
265 Route de la Baronne  
St-Jeannet, 06640  
France

Re: K050468

Trade/Device Name: TriABSorb™ Composite Screw  
Regulation Number: 21 CFR 888.3040  
Regulation Name: Smooth or threaded metallic bone fixation fastener  
Regulatory Class: II  
Product Code: HWC  
Dated: June 14, 2005  
Received: July 1, 2005

Dear Mr. Janin:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>

Sincerely yours,



for Mark N. Melkerson  
Acting Director  
Division of General, Restorative,  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

510 K Number: **K050468**

Device name: TriABSSorb™ Composite Screw

**INDICATIONS FOR USE:**

To provide interference fixation of soft tissue graft and bone-tendon-bone patellar graft during the Anterior Cruciate Ligament repair through arthroscopy or arthrotomy.

Prescription Use X  
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use /  
(21 CFR 807 Subpart C)

(Division Sign-Off)  
**Division of General, Restorative,  
and Neurological Devices**

510(k) Number K050468

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF  
NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)